ABBREVIATED
REDEVOLOPMENT ASSEMENT
REPORT

for:

MARATHON ELECTRIC
Earlville, Illinois
ILB 000000134
LPC 00990155001

PREPARED BY:
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
BUREAU OF LAND
DIVISION OF REMEDIATION MANAGEMENT
OFFICE OF SITE EVALUATION

June, 2014

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ABBREVIATED REDEVELOPMENT ASSESSMENT

For

Marathon Electric Manufacturing Corporation

June, 2014

Section 1.0 Background

Section 1.1 Introduction

On February 13, 2013, the Illinois Environmental Protection Agency's (Illinois EPA) Office of Site Evaluation, working in cooperation with United States Environmental Protection Agency (U.S. EPA) Region V, initiated work on a Abbreviated Redevelopment Assessment at the property located at 1050 West Union Street in Earlville, Illinois. The City of Earlville passed Resolution No. 02-13-2013 on February 13, 2013 that requested Illinois EPA's assistance in conducting environmental investigations of Marathon Electric Manufacturing Corporation. (See Appendix A)

The Redevelopment Assessment was designed to identify potential areas of concern and determine if they pose an undue risk to human health and the environment. This report is not intended to completely define the lateral or vertical extent of contamination of the entire Marathon Electric Site. The Redevelopment Assessment is intended to provide the City of Earlville environmental data necessary to make decisions about future redevelopment of Marathon Electric Site. The report should not be viewed as conclusive evidence that additional contamination does not exist at this site.

The field activity portion of this investigation took place in during the week of September, 23, 2013. Prior to the field investigation agency person met with city officials do discuss their goals/expectations for the property and to gather any information they might have had regarding the property. At that time the Brownfield Program objectives were outlined for the City Officials and it was determined that an Abbreviated Redevelopment Assessment would be completed for the Marathon Electric site.

The Abbreviated Redevelopment Assessment is not designed to fulfill the All Appropriate Inquiry provisions of the Prospective Purchaser obligations of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The report is not intended to completely define the lateral or vertical extent of contamination of the entire Marathon Electric Site.

Section 1.2 Site Location and Description

The Marathon Electric site is located at 1050 West Union Street (N45th Road) in a rural area south west of Earlville, LaSalle County, Illinois. The site is on the Northeast corner of the intersection of E12th Road and N45th Road, with the coordinates for the site are: latitude 41.598N and longitude -88.937W. A warehouse is located to the north of the site and it is otherwise surrounded by agricultural land. A large lagoon is located on the northwest corner and water tower in the center of the north side of the site. (See Figure 1)

The site is relatively flat and prior to the construction of Marathon Electric in the 1940's this area is believed to have been primarily used for agricultural purposes. The site encompasses approximately 42 acres of which five acres have been developed into the current manufacturing area. This five acre area is fenced and access to it is limited. Overall the site and surrounding areas are relatively flat with drainage routes normally located around the perimeter of the agricultural fields. There are no notable wetlands or sensitive environments associated with these drainage routes. A majority of the drainage for the site is collected in a lagoon that at one time was possibly used an emergency source of water for a fire suppression system. (See Figure 2)

One building dominates this five acre area. It has a total of 116,557 square feet of which 110,400 square feet is manufacturing space and the remaining 6,157 square feet is office space. (According to a 1988, Illinois Department of Commerce and Community Affairs marketing report [See Appendix B]. Currently, the manufacturing section of the building has had the middle section removed and the northern section somewhat finished in to a warehouse/storage building. Other sections are missing major sections of their roofs and appear to have been subject to some limited demolition.

There are numerous piles of debris that contained: wood, concrete, building supplies, soil and random household items located on the far eastern end of what once was part of the manufacturing building. There is also an inactive rail spur

located on the eastern edge of the site. The water tower area on the north side of the site has been released to city along with access to it. The water tower is currently part of the Earlville public water supply system. Marathon electric had a 225 foot deep well and the city has an additional 887 foot deep sandstone well near the water tower. In the rural setting around the site private wells are the primary source of drinking water. The closest private well is located within one half mile to the north of the site. This sandstone well is approximately 120 feet in depth.

According to an interview with a former employee, operations at the plant included: die casting, dip panting, and machining. The employee recalled that the plant had two underground paint storage tanks and one holding tank for the varnishing oven. The varnishing oven and tank were in the general area of soil boring GP06 and the underground paint storage tanks correspond to soil boring GP10.

Other possible environmental issues mentioned by the employee included:

- The lagoon located on the northeast corner of the site was also used as cooling water for the die casting.
- Six foot by six foot Waste pits (approximately six foot by six foot) were used just outside a door on the north side, near the east end of the main building,
- Oils, coolants, paints, and paint thinners were used in the manufacturing process.

Section 1.3 Site History

The Marathon Electric Company was founded in 1913 by the Wausau Group in Wausau, Wisconsin and manufactured fractional horse power (HP) electric motors. Their first product was a ¼ HP washing machine electric motor.

Operations began in Earlville in 1947, with the manufacturing of these same fractional HP electric motors (1/8 – 1/2 HP). Operations ceased at this location in June of 1981. In April of 1982, the company requested that U.S.EPA eliminate their federal identification number. As a result of this action all of the associated file information for the site was also eliminated. The Illinois EPA also eliminated all but a few pieces of their files. Due to the rural location of this site, *Sanborn Fire Insurance Maps* are not available for this further limiting the historic information for Marathon Electric. The company is still in operation today in the United States and India.

Section 2.0 Field Investigation Activities and Analytical Results

Section 2.1 Objectives of Investigation

In August of 2013, Illinois Environmental Protection Agency's Office of Site Evaluation met with the Mayor of Earlville and the President of the National Bank of Earlville (current owner of the site). During the meeting the mayor expressed the city's desire to acquire the Marathon Electric property. During this meeting

the environmental investigative process was outlined for them and questions answered regarding it.

As a result of this meeting it was determined that the Illinois Environmental Protection Agency's Office of Site Evaluation would performed an Abbreviated Redevelopment Assessment which could help provide additional information useful in further defining the nature and extent of subsurface contamination on the property. This information is necessary to advance the property through the State's Voluntary Site Remediation Program.

Section 2.2 Sampling Activities

During the week of September 23, 2013 staff from the Illinois Environmental Protection Agency's Office of Site Evaluation conducted the field investigation portion of the Abbreviated Redevelopment Assessment. Over the course of that week a total of 20 soil borings were conducted using direct push technology by Illinois EPA's Geoprobe. These soil removed from the borings were then screened with a photo ionization detector (PID) and/ or an X-Ray Fluorescence instrument. A map depicting the location of these boring locations can be found as Figure 3. Section 2.3 of this report is a summary of these findings.

Of the twenty soil boring , six test soil borings were made in an area that a former employee had indicated was used as a liquid waste disposal area. These boring locations are also depicted on Figure 3. However, based on unremarkable PID readings no samples were collected from these borings.

In addition to utilizing the PID and/or X-Ray Fluorescence instrument, the team also collected a total of 20 surface and subsurface soil samples and three groundwater samples from 14 soil boring locations within the property.

All of these samples were collected in areas of suspected contamination and were analyzed by Illinois Environmental Protection Agency's laboratories for the presence of volatile organic compounds (VOAs) semi-volatile organic compounds (SVOCs), total metals, pesticides, and polychlorinated biphenyls (PCBs One sediment sample was also collected during this event and was subject to the same analysis as the soil samples.

Section 2.3 Summary of Analytical Results

Sample summary tables and maps denoting sampling locations for all analytical data generated over the course of this investigation are provided as attachments to this report.

All analytical data summarized in these tables have been compared to the Illinois Environmental Protection Agency's TACO Tier 1 Cleanup Standards. Tier 1 standards represent the most conservative cleanup standards that a site enrolled in the State's Site Remediation Program would be expected to meet.

Tables 2.1 through 2.3 are soil sample summary tables and Tables 3.1 through 3.3 are groundwater sample summary tables. These summary tables provide

results of all the analytes and compounds for which the laboratory analyzed these samples for.

Tables 4.1, 4.2, 5.1 and 5.2 are a summary of just the key analytes or compounds that were identified at a detectable levels. These levels were then compared to Tiered Approach to Corrective Action (TACO) levels.

Tables 1.1 and 1.2 (sample description tables) contain the corresponding sample numbers for each individual soil boring location.

Soil sample X104A, exceeded the Tier 1, residential TACO level for Manganese. Soil sample X107, exceeded the Tier 1, residential TACO level for Benzo(a)anthracene, Benzo(a)pyrene and Benzo(b)fluoranthene. This sample also excceded the Tier 1, commercial TACO level for Benzo(a)pyrene.

All three groundwater samples collected during this investigation exceeded the TACO Class 1, aquifer level for iron and lead. G101 and G108, also exceed the TACO Class 1, aquifer level for Manganese. G107 exceeded the TACO Class 1, aquifer level for Naphthalene and G108 exceeded the TACO Class 1, aquifer level for Vinyl Chloride.

Section 3.0

3.1 Tiered Approach to Corrective Action Objectives

Illinois EPA's Tiered Approach to Corrective Action Objectives regulations document (effective July 1, 1997, under 35 IL Adm. Code Part 742), can be used to develop site-specific remediation objectives. The TACO regulations discuss key elements required to develop risk-based remediation objectives, how background values may be used, and provides guidance through three tiers of a risk-based approach. The Illinois EPA will use the regulations, and the ground water standards established in 35 IL Adm. Code 620, to determine soil and ground water remediation objectives at Redevelopment Assessment sites.

The goal of the risk-based approach is to protect human health and the environment, while using specific data to allow for more cost-effective remedial specific exposure routes that pose a threat to either human health and/or the environment. The following paragraphs discuss three tiers and two alternative methods of evaluation in the Illinois EPA TACO guidance document.

Tier 1 consists of "look-up" tables, which consider limited site-specific information and are based on simple, numeric models. Depending on future land use, two Tier 1 comparisons were made, one for the residential scenario and one for the industrial/commercial scenario. The Tier 1 comparison contains objectives (or in some cases ground water standards) for the ground water, ingestion, inhalation, and migration to ground water routes. The Tier 1 approach

requires knowledge of contaminant concentrations and extent, the ground water class, and receptors.

Tier 2 allows for the use of more site-specific information (such as soil and hydrogeological characteristic institutional controls). Tier 2 is useful where actual site conditions do not reflect the assumptions used to derive the Tier 1 values. Tier 2 uses simple analytical models and is still conservative in nature, but allows for site-specific data to be considered. Analytical models similar to the Soil Screening Levels proposed by U.S. EPA and the Risk Based Corrective Action guidance prepared by the American Society for Testing and Material are used to determine site-specific remediation objectives for a site. Tier 3 evaluations address all other situations that cannot be handled under Tier I or Tier 2. Any situation in which an ecological threat is present must be evaluated

under Tier 3. Tier 3 evaluations include, but are not limited to, risk assessments, use different analytical models, impractical remediation due to physical barriers, and the modification of parameters not allowed under Tier 3.

In addition to the individual tiers of analysis, there are two alternative means for addressing the presence of contamination: exclusion of pathways and reliance on area background. The first option, exclusion of pathways, is based on the premise that an exposure pathway must exist for contamination to present a threat to human health. If it can be shown that a pathway does not exist for any

contaminants of concern, then that exposure pathway for those contaminants need not be addressed.

The methods for evaluating and excluding exposure routes are set forth in Subpart C of the TACO guidance document. The second option, reliance on area background, is based on Section 58.5(b)(1) of the Act, which provides that the property owner(s) or property custodians shall not be required to remediate contaminants of concern to levels that are less than area background levels. If it can be shown that a contaminant of concern is present at levels that do not exceed area background levels for the property, then that contaminant need not be addressed further. Under appropriate circumstances background levels can also be used as remediation objectives. The method for determining area background concentrations are set forth in Subpart D of the TACO guidance document.

The soil contaminants are compared to the soil remediation objectives established for residential or industrial/commercial properties, with the inhalation, ingestion, and migration to groundwater pathways each evaluated. Current and future land use of the subject property has been determined to be industrial/commercial. Therefore, the contaminants found at the Marathon Electric property will be compared to Tier 1 industrial/commercial objectives. In order for industrial/commercial objectives to apply to the site, an institutional control limiting the property use to industrial/commercial will be required.

3.2 Areas Requiring Further Investigation

Sampling conducted during the Abbreviated Brownfield Redevelopment Assessment identified inorganic and organic compounds above TACO Tier 1 levels in the soil. Soil sample X104A, exceeded the Tier 1, residential TACO level for Manganese. Soil sample X107, exceeded the Tier 1, residential TACO level for Benzo(a)anthracene, Benzo(a)pyrene and Benzo(b)fluoranthene. This sample also excceded the Tier 1, commercial TACO level for Benzo(a)pyrene.

The soil and ground water analysis during the sampling event revealed a number of samples that were either above a TACO Tier 1 objective or a Class I ground water objective. All three groundwater samples collected during this investigation exceeded the TACO Class 1, aquifer level for iron and lead. G101 and G108, also exceed the TACO Class 1, aquifer level for Manganese. G107 exceeded the TACO Class 1, aquifer level for Naphthalene and G108 exceeded the TACO Class 1, aquifer level for Vinyl Chloride.

Additional sampling may be needed to fully characterize the areas surrounding these documented exceedences of soil and ground water contamination to provide a better understanding as to the vertical and horizontal extent of the area.

3.3 Exposure Pathway Assessment

The Office of Site Evaluation identifies three migration pathways and one exposure pathway by which hazardous substances may pose threat to human health and/or the environment. Consequently sites are evaluated on their known or potential impact to these pathways. The pathways evaluated are ground water migration, surface water migration, air migration, and soil exposure.

The ground water migration pathway and the soil exposure pathway were evaluated for at the Marathon Electric property. The air migration pathway was not evaluated because air deposition is not thought to be a concern at this time and no air samples were collected. The surface water migration pathway was not formally evaluated because no surface water bodies are located nearby and a majority of the surface water run-off is directed toward an on-site lagoon. Based upon information gathered during the Brownfield Redevelopment Assessment, the exposure pathway for the soil ingestion route for industrial/commercial objectives contained one soil samples soil sample 107, exceeded the Tier 1, commercial TACO level for Benzo(a)pyrene. The soil exposure pathway is the pathway of concern at this time.

All three groundwater samples collected during this investigation exceeded the TACO Class 1, aquifer level for iron and lead. G101 and G108, also exceed the TACO Class 1, aquifer level for Manganese. G107 exceeded the TACO Class 1, aquifer level for Naphthalene and G108 exceeded the TACO Class 1, aquifer

level for Vinyl Chloride. G108 exceeded the TACO Class 1, aquifer level for Vinyl Chloride.

Drinking water for the City of Earlville is obtained from deep wells located in and around the city, two of which are located on the former Marathon Electric property. One well is a former production well and it is 225 foot deep, the second well is 887 foot deep sandstone well. In the rural setting around the site private wells are the primary source of drinking water. The closest private well is located within one half mile to the north of the site. This sandstone well is approximately 120 feet in depth. The City of Earlville does not have a ground water ordinance in place for this property.

The air pathway is not thought to be of concern at this time due to the fact that there was no air monitoring samples collected. And the surface body pathway was not evaluated due to the fact that surface runoff flows into storm water drains.

Section 4.0 Summary and Conclusions

In February of 2013, the City Of Earlville requested the Illinois Environmental Protection Agency's assistance in assessing environmental conditions on the abandon industrial property that was the past site of the Marathon Electric Company. Based on the lack of any prior environmental information or investigations it was determined that by providing additional data on surface and subsurface soil conditions the State would be providing valuable information

necessary in advancing the site through the Illinois EPA's Site Remediation Program.

Work performed under the Marathon Electric Facility Abbreviated Redevelopment Assessment included the characterization of surface and subsurface soils at a number of locations throughout the property, as well as the collection of several groundwater samples where subsurface conditions permitted. These activities all provided data necessary to the understanding of environmental conditions that existed on this property.

By working with the City of Earlville, the Illinois Environmental Protection Agency's Office of Site Evaluation was able to provide information essential in the understanding of environmental conditions of this property, and advancing the redevelopment of the site.

The analytical results indicate that there is a release of Vinyl Chloride, Naphthalene, Iron, Lead, and Manganese to the groundwater. These results also highlight one area that had elevated levels that exceed the Tier 1, residential TACO level for Manganese and one a second area exceeded the Tier 1, residential TACO level for Benzo(a)anthracene, Benzo(a)pyrene and Benzo(b)fluoranthene. The second location also exceeded the Tier 1, commercial TACO level for Benzo(a)pyrene. Based on these findings it is

recommend that the site be entered into the Illinois EPA's Site Remediation Program.

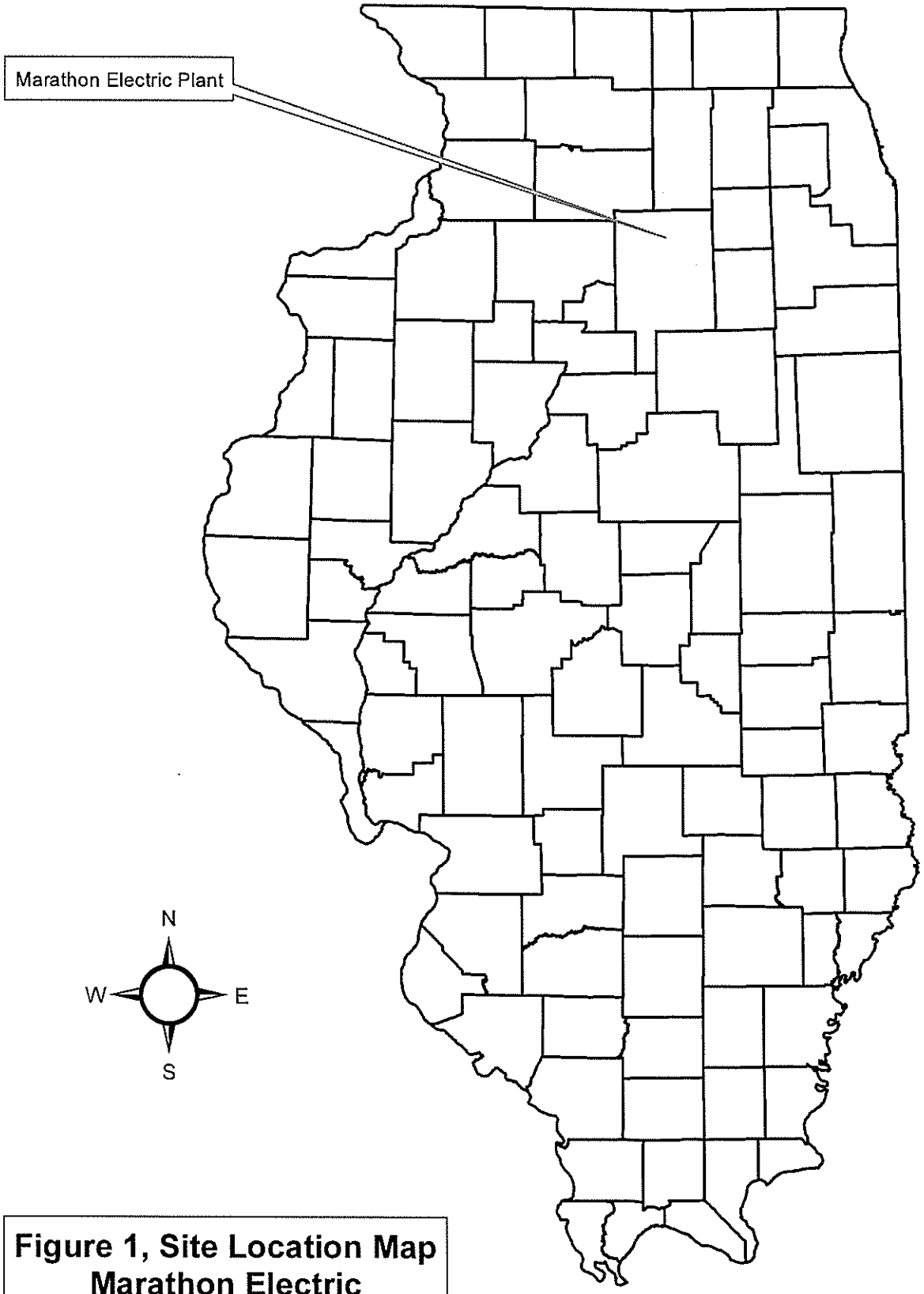

Figure 1, Site Location Map
Marathon Electric
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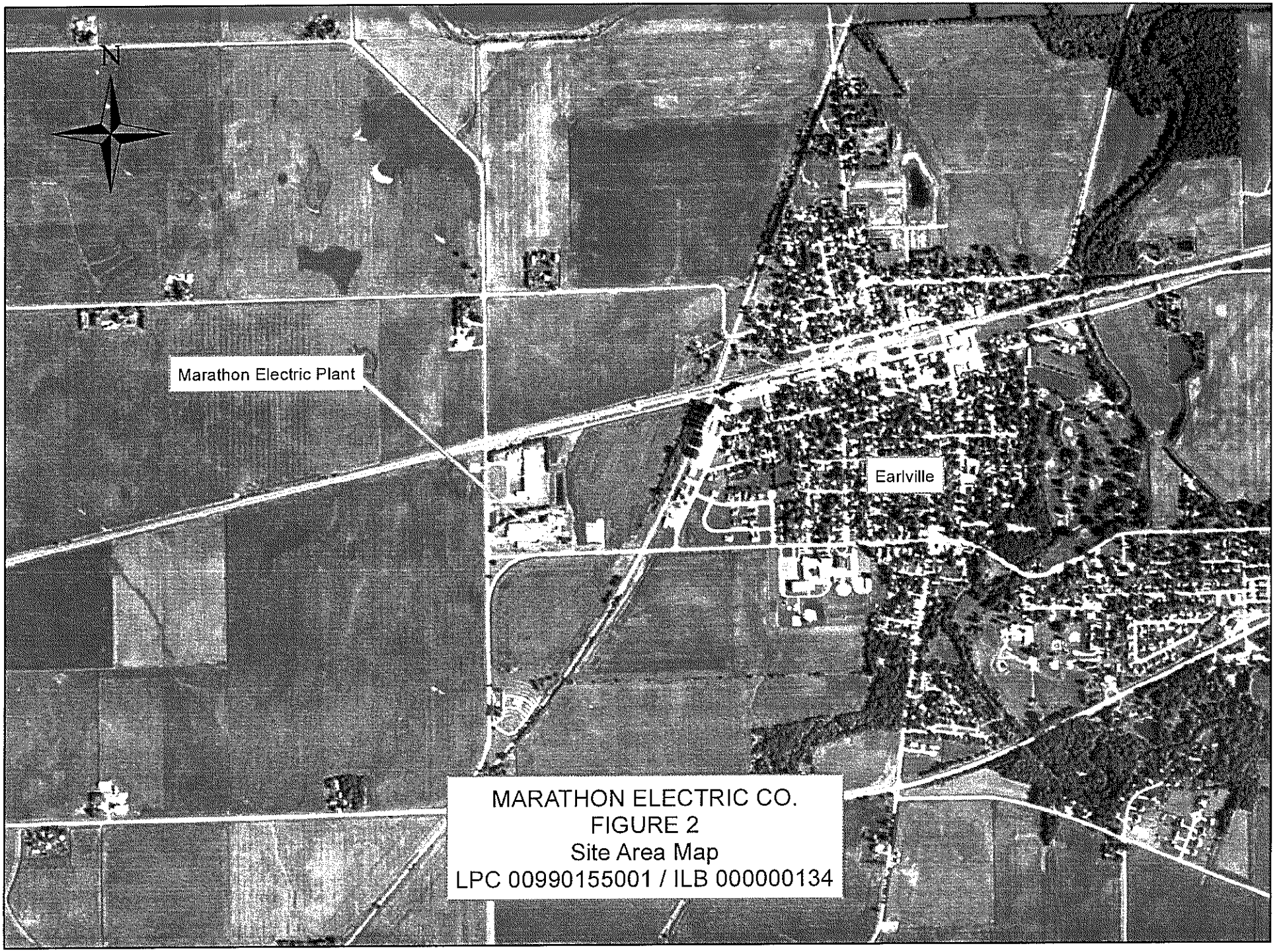

MARATHON ELECTRIC CO.
FIGURE 2
Site Area Map
LPC 00990155001 / ILB 000000134

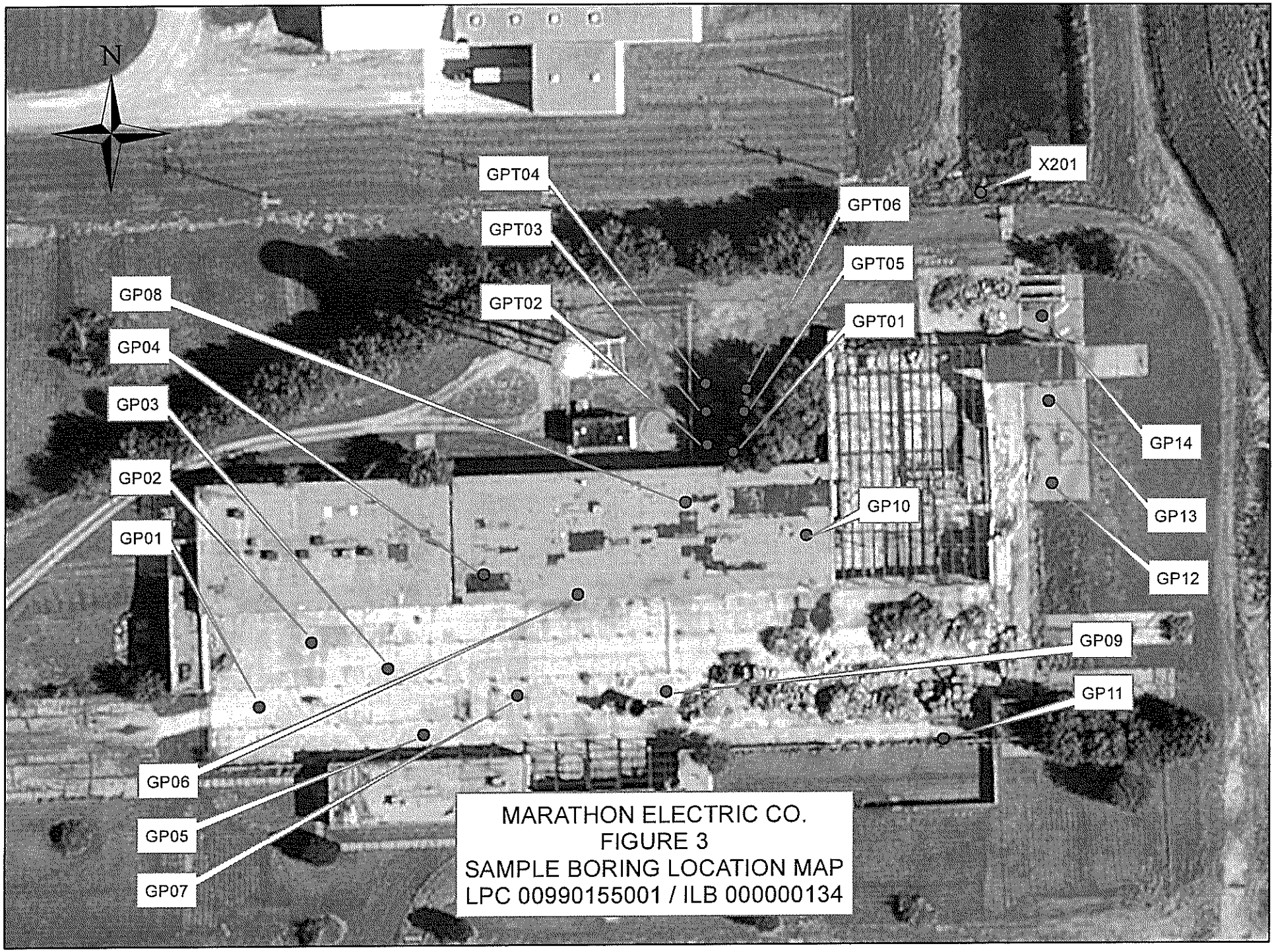
N
GPT04
GPT03
GPT02
X201
GPT06
GPT05
GPT01
GP08
GP04
GP03
GP02
GP01
GP14
GP13
GP12
GP10
GP09
GP11
GP06
GP05
GP07
MARATHON ELECTRIC CO.
FIGURE 3
SAMPLE BORING LOCATION MAP
LPC 00990155001 / ILB 000000134

Table 1.1, Soil/Sediment Sample Descriptions

MARATHON ELECTRIC COMPANY

LPC 00990155001 / ILB 000000134

Sample Number	*Date Time*	*Location*	*Appearance - Sampler Notes*
X101A	9/24/13 @1230	GP01, SW corner of main building	6-24" dark top soil, PID 0
X101B	9/24/13 @1245	GP01, SW corner of main building	8-11" above till, tan-brown, grey soft mottled clay, PID 0
X102	9/24/13 @1430	GP02, SW area near storage units	6-12" black top soil, PID 0
X103	9/24/13 @1600	GP03, SW area of main building	6-12" blue grey clay, PID 0
X104A	9/24/13 @1630	GP04, center inside existing building	6-12" course sand, PID 0
X104B	9/24/13 @1645	GP04, center inside existing building	6-7' blue grey mottled clay, PID 0
X105	9/25/13 @0850	GP05, SW area near office building	6-12" blue grey mottled clay, PID 0
X106	9/25/13 @1000	GP06, center inside existing building	7-8" blue grey mottled sandy clay, PID 25 @ 8' (just above till)
X107	9/25/13 @1045	GP07, center south side of open area	7-8' VOA soft dark clay, remainder sand/gravel mix, PID 4,000 ppb at end
X108A	9/25/13 @1300	GP08, north wall center of existing building	3' blue grey clay (dark) strong fuel odor. PID 27 ppm
X108B	9/25/13 @1330	GP08, north wall center of existing building	5-6' blue grey mottled clay, dark staining, PID 16 ppm
X109A	9/25/13 @1430	GP09, center south side of open area	5-6' blue grey mottled clay, PID 110 ppb
X109B	9/25/13 @1445	GP09, center south side of open area	10-11' brown-grey mottled till, PID 384 ppb
X110	9/25/13 @1500	GP10, center east end of existing building	10-12' brown-tan mottled clay, fine sand, sand gravel, brown-tan till @end, PID 179 ppb
X111	9/25/13 @1645	GP11, SE corner near small maintenance build	10-12' brown mottled clay, PID 9 ppb
X112A	9/26/13 @0830	GP12, center south end of loading dock	1-2' dark black clay, no PID reading
X112B	9/26/13 @0840	GP12, center south end of loading dock	6-7' blue-grey clay, some staining, strong petroleum odor, no PID reading
X113	9/26/13 @0915	GP13, center of loading dock	5-6' blue-grey clay, dark staining, some mottling, strong petroleum odor
X114A	9/26/13 @1000	GP14, center north end of loading dock	2' blue-grey clay, some mottling, some staining, no odor
X114B	9/26/13 @1015	GP14, center north end of loading dock	7-8' tan-gey, mottled silty clay
X201	9/24/13 @1735	at end of large discharge pipe in norther lagoon	dark brown-black organic rich, no odor

Table 1.2, Groundwater Sample Descriptions

MARATHON ELECTRIC COMPANY

LPC 00990155001/ILB000000134

Sample Number	*Date/Time*	*Location*	*Appearance / Sampler Notes*
G101	9/24/13 @1315	GP01	screened at 10-14'
G107	9/25/13 @1145	GP07	screened at 6-7
TB01	9/26/13 @1245		trip blank
G108	9/26/13 @1345	GP08	screened at 10-14'

MARATHON ELECTRIC, LPC 00990155001

Table 2.1, Organic Soil/Sediment Results

ug/kg	X101A	X101B	X102	X103	X104A	X104B	X105	X106	X107	X108A	X108B	X109A	X109B	X110	X111	X112A	X112B	X113	X114A	X114B	X202
1,1,1,2 Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1 Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2 Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2 Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1 Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1 Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1 Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3 Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3 Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2 Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2 Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2 Hexanone (MBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4 Methyl 2 pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis 1,2 Dichloroethene	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	4.1	83	190	4.4	1.9	ND	ND	ND	ND	ND	ND
cis 1,3 Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	520	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	1300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans 1,2 Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans 1,3 Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	210	ND	ND	ND	ND	ND	110	45	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	450	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, total	ND	ND	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5 Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4 Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dinitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3 Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3 Dinitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4 Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4 Dinitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1 Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1 Naphthylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2 Oxybis(1 chloropropane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,3,4,6 Tetrachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5 Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6 Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4 Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4 Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4 Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4 Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6 Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6 Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2 Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Table 2.2, Organic Soil/Sediment Results

ug/kg	X101A	X101B	X102	X103	X104A	X104B	X105	X106	X107	X108A	X108B	X109A	X109B	X110	X111	X112A	X112B	X113	X114A	X114B	X202
2 Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2 Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	7400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2 Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	760	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2 Naphthylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2 Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2 Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2 Picoline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3 Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3 Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6 Dinitro 2 methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4 Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4 Chloro 3 methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4 Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4 Chlorophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4 Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4 Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4 Nitrobiphenyl	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4 Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	140	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5 Nitroacenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7,12 Dimethylbenz(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	16000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	160	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	11000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	6400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	1900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	3300	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	ND	ND	ND	ND	ND	ND	ND	ND	190	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	2900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2 chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2 chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2 ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	3800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	6000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	11000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di n butylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	ND	ND	ND	ND	ND	ND	ND
Di n octylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	ND	ND	ND	ND	ND	ND	ND
Diphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl methanesulfonate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	40000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	15000	110	ND	ND	ND	ND	ND	ND	65	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3 cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	340	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isodrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isosafrole	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mestranol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl methanesulfonate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	20000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	560	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N Nitrosodi n butylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N Nitrosodi n propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N Nitrosopiperidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p Dimethylaminoazobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenacetin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	55000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pronamide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	24000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Safrole	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Table 2.3, Inorganic Soil Results

mg/kg	X101A	X101B	X102	X103	X104A	X104B	X105	X106	X107	X108A	X108B	X109A	X109B	X110	X111	X112A	X112B	X113	X114A	X114B
Aluminum	14400	10900	16600	18700	19600	14000	23200	8350	6520	15500	15100	17200	9580	9090	6890	22800	16000	16700	18700	10100
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND	26.3	ND	4.99	ND	ND	ND	6.18	ND	ND	ND	ND	ND	ND	ND	10.1	5.36
Barium	160	176	122	161	255	120	166	41.8	45.2	122	181	121	55.4	47.2	27.5	194	141	203	229	89.0
Beryllium	0.46	0.34	0.53	0.54	0.32	0.38	0.98	0.26	0.19	0.38	0.46	0.48	0.35	0.24	0.21	0.73	0.50	0.45	0.63	0.28
Boron	9.28	13.1	10.7	10.5	13.8	11.1	12.5	14.5	12.6	12.0	11.0	10.1	16.3	14.2	14.7	9.76	12.3	10.6	14.4	12.0
Cadmium	4.31	5.92	4.68	4.87	10.3	4.86	7.91	4.44	2.91	5.55	4.61	4.32	5.09	3.78	3.15	5.13	5.52	5.59	9.14	4.90
Calcium	5070	24900	4550	3940	6190	17200	5030	82900	11100(	29900	16700	21800	56000	76600	75200	6750	7570	8010	9060	44600
Chromium	18.4	18.4	22.0	26.7	23.5	21.2	29.4	13.4	29.2	21.8	21.6	24.5	15.9	14.4	10.7	28.1	24.9	24.0	25.2	15.6
Cobalt	7.85	10.5	8.81	5.59	14.5	6.24	13.4	6.33	4.83	8.91	7.63	13.9	10.3	6.73	4.85	7.96	8.41	7.65	16.7	7.08
Copper	12.5	23.2	13.1	13.3	11.9	13.7	20.0	14.7	13.5	47.2	13.2	17.5	14.0	12.6	11.1	23.9	17.0	21.5	20.7	15.6
Iron	15000	20400	17000	18200	40800	16600	30100	14200	8620	17800	16100	14800	17200	12400	10200	18100	19400	18500	31600	16400
Lead	12.4	12.1	12.0	6.53	10.1	6.54	16.6	5.59	23.6	25.7	8.95	6.44	6.72	5.35	3.48	11.6	8.75	8.97	11.5	7.13
Magnesium	3380	16000	3960	4650	5550	11900	4830	42400	33500	15000	11300	13100	32400	38300	39900	4140	6520	6650	6890	26800
Manganese	328	877	438	258	3630	331	503	506	328	643	289	398	571	345	269	247	772	393	1490	481
Nickel	13.8	22.5	16.6	20.9	12.0	15.2	21.6	18.0	7.81	18.7	20.4	23.4	17.3	13.2	11.3	19.6	25.5	19.9	37.2	16.7
Potassium	1600	1960	1560	1520	1520	1490	1830	2010	1420	1650	1560	1780	2620	2130	2070	1890	1910	1410	1770	1520
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	0.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Strontium	15.6	23.3	15.3	18.3	17.2	20.5	18.5	37.6	86.3	25.7	20.4	20.5	25.7	33.7	32.4	21.2	21.3	20.7	23.3	26.2
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	31.6	34.1	41.1	39.6	41.9	32.3	53.6	20.9	14.2	36.1	34.2	36.9	22.4	20.9	14.7	47.5	46.6	38.2	56.6	27.5
Zinc	66.0	60.4	53.8	53.7	61.4	51.5	78.2	36.7	50.2	83.4	54.2	50.4	39.2	36.1	28.0	69.3	55.4	61.1	64.5	51.1

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Table 3.1, Organic Groundwater Results

ug/L	G101	G107	G108	Units
1,1,1,2-Tetrachloroethane	ND	ND	ND	ug/L
1,1,1-Trichloroethane	ND	ND	ND	ug/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ug/L
1,1,2-Trichloroethane	ND	ND	ND	ug/L
1,1-Dichloroethane	ND	ND	ND	ug/L
1,1-Dichloroethene	ND	ND	ND	ug/L
1,1-Dichloropropene	ND	ND	ND	ug/L
1,2,3-Trichloropropane	ND	ND	ND	ug/L
1,2-Dibromoethane	ND	ND	ND	ug/L
1,2-Dichloroethane	ND	ND	ND	ug/L
1,2-Dichloropropane	ND	ND	ND	ug/L
1,3-Dichloropropane	ND	ND	ND	ug/L
2,2-Dichloropropane	ND	ND	ND	ug/L
2-Butanone (MEK)	ND	ND	ND	ug/L
2-Hexanone (MBK)	ND	ND	ND	ug/L
4-Methyl-2-pentanone (MIBK)	ND	ND	ND	ug/L
Acetone	ND	ND	ND	ug/L
Benzene	ND	ND	ND	ug/L
Bromobenzene	ND	ND	ND	ug/L
Bromochloromethane	ND	ND	ND	ug/L
Bromodichloromethane	ND	ND	ND	ug/L
Bromoform	ND	ND	ND	ug/L
Bromomethane	ND	ND	ND	ug/L
Carbon disulfide	ND	ND	ND	ug/L
Carbon tetrachloride	ND	ND	ND	ug/L
Chlorobenzene	ND	ND	ND	ug/L
Chloroethane	ND	ND	ND	ug/L
Chloroform	ND	ND	ND	ug/L
Chloromethane	ND	ND	ND	ug/L
cis-1,2-Dichloroethene	ND	ND	19	ug/L
cis-1,3-Dichloropropene	ND	ND	ND	ug/L
Dibromochloromethane	ND	ND	ND	ug/L
Dibromomethane	ND	ND	ND	ug/L
Ethylbenzene	ND	5.1	ND	ug/L
Isopropylbenzene	ND	ND	ND	ug/L
Methyl tert-butyl ether	ND	ND	ND	ug/L
Methylene chloride	ND	ND	ND	ug/L
Styrene	ND	ND	ND	ug/L
Tetrachloroethene	ND	ND	ND	ug/L
Toluene	ND	2.2	ND	ug/L
trans-1,2-Dichloroethene	ND	ND	ND	ug/L
trans-1,3-Dichloropropene	ND	ND	ND	ug/L
Trichloroethene	ND	ND	18	ug/L
Trichlorofluoromethane	ND	ND	ND	ug/L
Vinyl chloride	ND	ND	3.8	ug/L
Xylenes, total	ND	26	ND	ug/L
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ug/L
1,2,4-Trichlorobenzene	ND	ND	ND	ug/L
1,2-Dichlorobenzene	ND	ND	ND	ug/L
1,2-Dinitrobenzene	ND	ND	ND	ug/L
1,3-Dichlorobenzene	ND	ND	ND	ug/L
1,3-Dinitrobenzene	ND	ND	ND	ug/L
1,4-Dichlorobenzene	ND	ND	ND	ug/L
1,4-Dinitrobenzene	ND	ND	ND	ug/L
1-Chloronaphthalene	ND	ND	ND	ug/L
1-Naphthylamine	ND	ND	ND	ug/L
2,2-Oxybis(1-chloropropane)	ND	ND	ND	ug/L
2,3,4,6-Tetrachlorophenol	ND	ND	ND	ug/L
2,4,5-Trichlorophenol	ND	ND	ND	ug/L
2,4,6-Trichlorophenol	ND	ND	ND	ug/L
2,4-Dichlorophenol	ND	ND	ND	ug/L
2,4-Dimethylphenol	ND	3.0	ND	ug/L
2,4-Dinitrophenol	ND	ND	ND	ug/L
2,4-Dinitrotoluene	ND	ND	ND	ug/L
2,6-Dichlorophenol	ND	ND	ND	ug/L
2,6-Dinitrotoluene	ND	ND	ND	ug/L
2-Chloronaphthalene	ND	ND	ND	ug/L

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Table 3.2, Organic Groundwater Results

ug/L	G101	G107	G108	Units
2-Chlorophenol	ND	ND	ND	ug/L
2-Methylnaphthalene	ND	23	ND	uq/L
2-Methylphenol	ND	1 6	ND	uq/L
2-Naphthylamine	ND	ND	ND	ug/L
2-Nitroaniline	ND	ND	ND	uq/L
2-Nitrophenol	ND	ND	ND	uq/L
2-Picoline	ND	ND	ND	uq/L
3,3-Dichlorobenzidine	ND	ND	ND	uq/L
3-Nitroaniline	ND	ND	ND	ug/L
4,6-Dinitro-2-methylphenol	ND	ND	ND	uq/L
4-Bromophenyl phenyl ether	ND	ND	ND	uq/L
4-Chloro-3-methylphenol	ND	ND	ND	uq/L
4-Chloroaniline	ND	ND	ND	uq/L
4-Chlorophenyl phenyl ether	ND	ND	ND	ug/L
4-Methylphenol	ND	ND	ND	uq/L
4-Nitroaniline	ND	ND	ND	uq/L
4-Nitrobiphenyl	ND	ND	ND	uq/L
4-Nitrophenol	ND	ND	ND	uq/L
5-Nitroacenaphthene	ND	ND	ND	uq/L
7,12-Dimethylbenzo(a)anthrac	ND	ND	ND	uq/L
Acenaphthene	ND	36	ND	uq/L
Acenaphthylene	ND	ND	ND	ug/L
Acetophenone	ND	ND	ND	uq/L
Anthracene	ND	5 5	ND	uq/L
Azobenzene	ND	ND	ND	uq/L
Benzo(a)anthracene	ND	ND	ND	uq/L
Benzo(a)pyrene	ND	ND	ND	ug/L
Benzo(b)fluoranthene	ND	ND	ND	uq/L
Benzo(qhi)perylene	ND	ND	ND	uq/L
Benzo(k)fluoranthene	ND	ND	ND	uq/L
Bis(2-chloroethoxy)methane	ND	ND	ND	uq/L
Bis(2-chloroethyl)ether	ND	ND	ND	ug/L
Bis(2-ethylhexyl)phthalate	ND	ND	ND	uq/L
Butyl benzyl phthalate	ND	ND	ND	uq/L
Carbazole	ND	22	ND	ug/L
Chrysene	ND	ND	ND	uq/L
Dibenzo(a,h)anthracene	ND	ND	ND	ug/L
Dibenzofuran	ND	22	ND	uq/L
Diethylphthalate	ND	ND	ND	uq/L
Dimethylphthalate	ND	ND	ND	ug/L
Di-n-butylphthalate	ND	ND	ND	uq/L
Di-n-octylphthalate	ND	ND	ND	uq/L
Diphenylamine	ND	ND	ND	uq/L
Ethyl methanesulfonate	ND	ND	ND	uq/L
Fluoranthene	ND	14	ND	ug/L
Fluorene	ND	27	ND	uq/L
Hexachlorobenzene	ND	ND	ND	uq/L
Hexachlorobutadiene	ND	ND	ND	uq/L
Hexachlorocyclopentadiene	ND	ND	ND	uq/L
Hexachloroethane	ND	ND	ND	ug/L
Hexachloropropene	ND	ND	ND	uq/L
Indeno(1,2,3-cd)pyrene	ND	ND	ND	uq/L
Isodrin	ND	ND	ND	ug/L
Isophorone	ND	ND	ND	uq/L
Isosafrole	ND	ND	ND	ug/L
Mestranol	ND	ND	ND	uq/L
Methyl methanesulfonate	ND	ND	ND	uq/L
Naphthalene	ND	210	ND	ug/L
Nitrobenzene	ND	ND	ND	uq/L
N-Nitrosodi-n-butylamine	ND	ND	ND	uq/L
N-Nitrosodi-n-propylamine	ND	ND	ND	ug/L
N-Nitrosopiperidine	ND	ND	ND	uq/L
p-Dimethylaminoazobenzene	ND	ND	ND	ug/L
Pentachlorobenzene	ND	ND	ND	uq/L
Pentachloronitrobenzene	ND	ND	ND	uq/L
Pentachlorophenol	ND	ND	ND	ug/L
Phenacetin	ND	ND	ND	uq/L
Phenanthrene	ND	49	ND	ug/L
Phenol	ND	ND	ND	uq/L
Pronamide	ND	ND	ND	uq/L
Pyrene	ND	8 0	ND	ug/L
Pyridine	ND	ND	ND	uq/L
Safrole	ND	ND	ND	ug/L

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Table 3.3, Inorganic/Pesticide/PCB Groundwater Results

	G101	Units	G107	Units	G108	Units
Cyanide	ND	mg/L	ND	mg/L	0.006	mg/L
Aluminum	12000	ug/L	1910	ug/L	25800	ug/L
Antimony	ND	ug/L	ND	ug/L	ND	ug/L
Arsenic	10.1	ug/L	22.9	ug/L	ND	ug/L
Barium	198	ug/L	18.0	ug/L	314	ug/L
Beryllium	ND	ug/L	ND	ug/L	ND	ug/L
Boron	38.7	ug/L	171	ug/L	74.3	ug/L
Cadmium	3.52	ug/L	ND	ug/L	4.56	ug/L
Calcium	77300	ug/L	8340	ug/L	343000	ug/L
Chromium	26.4	ug/L	30.0	ug/L	88.6	ug/L
Cobalt	ND	ug/L	ND	ug/L	12.7	ug/L
Copper	35.1	ug/L	19.6	ug/L	50.7	ug/L
Hardness	332000	ug/L	31700	ug/L	1540000	ug/L
Iron	33900	ug/L	4130	ug/L	39500	ug/L
Lead	12.6	ug/L	11.9	ug/L	18.6	ug/L
Magnesium	33700	ug/L	2640	ug/L	166000	ug/L
Manganese	964	ug/L	126	ug/L	1650	ug/L
Nickel	31.5	ug/L	ND	ug/L	65.3	ug/L
Potassium	4820	ug/L	108000	ug/L	6570	ug/L
Selenium	ND	ug/L	ND	ug/L	ND	ug/L
Silver	ND	ug/L	ND	ug/L	ND	ug/L
Sodium	5920	ug/L	17300	ug/L	13500	ug/L
Strontium	120	ug/L	27.2	ug/L	289	ug/L
Thallium	ND	ug/L	ND	ug/L	ND	ug/L
Vanadium	44.7	ug/L	8.97	ug/L	67.0	ug/L
Zinc	91.8	ug/L	45.2	ug/L	119	ug/L
Aldrin	ND	ug/L	ND	ug/L	ND	ug/L
alpha-BHC	ND	ug/L	ND	ug/L	ND	ug/L
alpha-Chlordane	ND	ug/L	ND	ug/L	ND	ug/L
Aroclor 1016	ND	ug/L	ND	ug/L	ND	ug/L
Aroclor 1221	ND	ug/L	ND	ug/L	ND	ug/L
Aroclor 1232	ND	ug/L	ND	ug/L	ND	ug/L
Aroclor 1242	ND	ug/L	ND	ug/L	ND	ug/L
Aroclor 1248	ND	ug/L	ND	ug/L	ND	ug/L
Aroclor 1254	ND	ug/L	ND	ug/L	ND	ug/L
Aroclor 1260	ND	ug/L	ND	ug/L	ND	ug/L
beta-BHC	ND	ug/L	ND	ug/L	ND	ug/L
delta-BHC	ND	ug/L	ND	ug/L	ND	ug/L
Dieldrin	ND	ug/L	ND	ug/L	ND	ug/L
Endosulfan I	ND	ug/L	ND	ug/L	ND	ug/L
Endosulfan II	ND	ug/L	ND	ug/L	ND	ug/L
Endosulfan sulfate	ND	ug/L	ND	ug/L	ND	ug/L
Endrin	ND	ug/L	ND	ug/L	ND	ug/L
Endrin aldehyde	ND	ug/L	ND	ug/L	ND	ug/L
Endrin ketone	ND	ug/L	ND	ug/L	ND	ug/L
gamma-BHC	ND	ug/L	ND	ug/L	ND	ug/L
gamma-Chlordane	ND	ug/L	ND	ug/L	ND	ug/L
Heptachlor	ND	ug/L	ND	ug/L	ND	ug/L
Heptachlor epoxide	ND	ug/L	ND	ug/L	ND	ug/L
Methoxychlor	ND	ug/L	ND	ug/L	ND	ug/L
p,p'-DDD	ND	ug/L	ND	ug/L	ND	ug/L
p,p'-DDE	ND	ug/L	ND	ug/L	ND	ug/L
p,p'-DDT	ND	ug/L	ND	ug/L	ND	ug/L
Toxaphene	ND	ug/L	ND	ug/L	ND	ug/L
Mercury	ND	ug/L	ND	ug/L	ND	ug/L

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Table 4.1, Organic Soil/Sediment Results

ug/kg	X101A	X101B	X102	X103	X104A	X104B	X105	X106	X107	X108A	X108B	X109A	X109B	X110	X111	X112A	X112B	X113	X114A	X114B	X202
Acetone	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1	1	1	1	1	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	1	1	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, total	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	2, 3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	1	1	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyridine	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

1 - Detected but not above one on the below listed categories.
2 - Above a Tiered Approach to Corrective Action Objective (TACO) Residential Soil Corrective Action Objectives (CAO).
3 - Above a Tiered Approach to Corrective Action Objective (TACO) Commercial Soil Corrective Action Objectives (CAO).
4 - No established TACO level
ND - Not Detected

MARATHON ELECTRIC, LPC 00990155001

Table 4.2, Inorganic/Pesticide/PCB Soil Results

mg/kg	X101A	X101B	X102	X103	X104A	X104B	X105	X106	X107	X108A	X108B	X109A	X109B	X110	X111	X112A	X112B	X113	X114A	X114B
Aluminum	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Arsenic	ND	ND	ND	ND	2	ND	1	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	1	1
Barium	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Beryllium	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Boron	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Cadmium	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Calcium	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Chromium	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cobalt	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Copper	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Iron	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Lead	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Magnesium	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Manganese	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Nickel	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Potassium	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Silver	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Strontium	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Vanadium	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Zinc	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Aroclor 1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1, *	1, *	1, *
Aroclor 1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	1, *	1, *	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

1 - Detected but not above one on the below listed categories.
2 - Above a Tiered Approach to Corrective Action Objective (TACO) Residential Soil Corrective Action Objectives (CAO).
3 - Above a Tiered Approach to Corrective Action Objective (TACO) Commercial Soil Corrective Action Objectives (CAO).
4 - No established TACO level
ND - Not Detected
* No objective set in TACO for individual PCB congeners
IEPA normally uses USEPA policy calling for less than 10 parts per million total PCBs for unrestricted areas

MARATHON ELECTRIC, LPC 0090155001

Table 5.1, Organic Groundwater Results

ug/L	G101	G107	G108	Units
cis-1,2-Dichloroethene	ND	ND	1	ug/L
Ethylbenzene	ND	1	ND	ug/L
Toluene	ND	1	ND	ug/L
Trichloroethene	ND	ND	1	ug/L
Vinyl chloride	ND	ND	2, 3	ug/L
Xylenes, total	ND	1	ND	ug/L
2,4-Dimethylphenol	ND	1	ND	ug/L
2-Methylnaphthalene	ND	4, 5	ND	ug/L
2-Methylphenol	ND	1	ND	ug/L
Acenaphthene	ND	1	ND	ug/L
Anthracene	ND	1	ND	ug/L
Carbazole	ND	4, 5	ND	ug/L
Dibenzofuran	ND	4, 5	ND	ug/L
Fluoranthene	ND	1	ND	ug/L
Fluorene	ND	1	ND	ug/L
Naphthalene	ND	2, 4	ND	ug/L
Phenanthrene	ND	1	ND	ug/L
Pyrene	ND	1	ND	ug/L

1 - Detected but not above one on the below listed categories.
2 - Above a Tiered Approach to Corrective Action Objective (TACO) Class I aquifer level.
3 - Above a Maximum Contaminant Level (MCL).
4 - No established MCL
5 - No established TACO level
ND - Not Detected

MARATHON ELECTRIC, LPC 009015501

Table 5.2, Inorganic Groundwater Results

	G101	G107	G108
Cyanide	ND	ND	0.006
Aluminum	4, 5	4, 5	4, 5
Arsenic	1	1	ND
Barium	4, 5	4, 5	4, 5
Boron	1	1	1
Cadmium	1	1	1
Calcium	4, 5	4, 5	4, 5
Chromium	1	1	1
Cobalt	ND	ND	1
Copper	1	1	1
Iron	2, 4	2, 4	2, 4
Lead	2	2	2, 4
Magnesium	4, 5	4, 5	4, 5
Manganese	2, 4	1	2, 4
Nickel	1	ND	1
Potassium	4, 5	4, 5	4, 5
Sodium	4, 5	4, 5	4, 5
Strontium	4, 5	4, 5	4, 5
Vanadium	4, 5	4, 5	4, 5
Zinc	4, 5	4, 5	4, 5

1 - Detected but not above one on the below listed categories.
2 - Above a Tiered Approach to Corrective Action Objective (TACO) Class I aquifer level.
3 - Above a Maximum Contaminant Level (MCL).
4 - No established MCL
5 - No established TACO level
ND - Not Detected

APPENDIX A.
City Of Earlville Resolution Number 02-13-313

RESOLUTION NO. 02-13-2013

A RESOLUTION OF THE CITY OF EARLVILLE, ILLINOIS REQUESTING THE ASSISTANCE AND PARTICIPATION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY IN IDENTIFYING ENVIRONMENTAL CONDITIONS ON PROERTY LOCATED AT 1050 W. UNION STREET, EARLVILLE, ILLINOIS

WHEREAS, it is in the public interest to promote the redevelopment of abandoned and/or underutilized lands within the City of Earlville; and

WHEREAS, the City of Earlville believes the property located at 1050 W. Union Street, Earlville, Illinois, and sometimes called the Old Marathon Electric property (hereinafter referred to as "the property") is currently in an underutilized state; and

WHEREAS, the redevelopment options for the property cannot be fully identified until the environmental conditions on the property have been established; and

WHEREAS, the Illinois Environmental Protection Agency can assist the City of Earlville in identifying environmental conditions on the above mentioned property; and

WHEREAS, it is in the public interest to insure that any environmental conditions which may pose a threat to health or the environment are properly addressed; and

WHEREAS, the identification of environmental conditions on the above mentioned property is critical to the future development of the property as a "Brownfield" area.

NOW THEREFORE, BE IT RESOLVED by the City Council of the City of Earlville, Illinois that the City does hereby request the assistance and participation of the Illinois Environmental Protection Agency and resolves to assist them in any manner that will provide for the timely and comprehensive environmental investigation of the property.

ADOPTED this 13th day of February, 2013.

AYES: STOCKLEY, JENKINS, OSBORNE, HARP

NAYS: –

ABSENT: AMBLER, BURD

APPROVED this 13th day of February, 2013.

Michael A Hall
Mayor

ATTEST:

City Clerk

APPENDIX B.
Illinois Department of Commerce and Community Affairs (DCCA) marketing report

Marathon

DATE AND TIME OF REPORT: 07/01/88 16:19:36

ILLINOIS DEPARTMENT OF COMMERCE AND COMMUNITY AFFAIRS
BUREAU OF MARKETING / SITES AND BUILDINGS
AVAILABLE INDUSTRIAL BUILDING

IDENTIFIER: 2511B0001 INDATE: N/A
UPDATE: N/A

LOCATION
CITY: EARLVILLE COUNTY: LASALLE
ADDRESS: OLD US HWY. 34 ZIP: 60518
BUILDING IN ENTERPRISE ZONE? NO PHOTOGRAPH IN FILE? YES
BUILDING IN INDUSTRIAL PARK? NO PARK NAME: N/A

BUILDING CHARACTERISTICS
SITE: 42.00 ACRES MORE LAND AVAILABLE? YES; 31.00 ACRES
BUILDING SIZE, SQ FT = TOTAL: 116557 OFFICE: 6000
MANUF: 100400 WAREHSE: 0
OF BUILDINGS: 1
CEILING HEIGHT: 16.00 FT # OF STORIES: 1
OF BAYS: 3 COLUMN SPACING: 25 X 40 FT
OF TRUCK DOCKS: 5; 9 X 7 FT # OF OVRHD DOORS: 1; 14 X 14 FT
ZONING: NOT ZONED ZONED BY: N/A
YEAR CONSTRUCTED: 1947 ADDITIONAL CONSTRUCTION: 1972
PREVIOUS USE: MANUFACTURING CONDITION: GOOD
SPRINKLERED? YES; 100 % WET, N/A % DRY FLOOR DRAINS? NO
AIR CONDITIONING: PLANT? NO ; OFFICE? YES
CRANE? YES NUMBER: 7 MAXIMUM LOAD: 15.00 TONS
FLOOR LOAD CAPACITY: N/A PSI FLOOR THICKNESS: 6.0 INCHES
COMPRESSED AIR AVAILABLE? NO ELECTRIC BUS DUCT? YES
TYPE OF HEATING: UNIT HEAT USDA APPROVED? NO

TRANSPORTATION
RAILSPUR? YES RAIL CAR CAPACITY: N/A
RAILROAD 1: BURLINGTON NORTHERN
RAILROAD 2: CHICAGO NORTHWESTERN TRNS
RIVER/WATERWAY CONTIGUOUS TO PROPERTY? NO NAME: N/A
BARGE LOADING FACILITY? NO OTHER BARGE WITHIN 10 MILES? NO
MILES TO NEAREST INTERSTATE: 25.00 INTERSTATE: 80
MILES TO NEAREST COMMERCIAL AIRPORT: 80.00 NAME: OHARE

UTILITIES
ELECTRIC: COMMONWEALTH EDISON CO VOLTAGE: 440.00 AMPS: 6200.00
GAS: NORTHERN ILL GAS CO SIZE OF MAIN: 4 IN. PSI: N/A
WATER: WELL SIZE OF MAIN: N/A IN.
SANITATION: SEPTIC TANK SIZE OF MAIN: N/A IN.

CONTACTS
OWNER: N/A CONTACT: JOHN SLAYTON,E.V.P.
ADDRESS: MARATON ELECTRIC CORP. CITY: WAUSAU
STATE: WI PHONE: (715)675-3311
BROKER: BINSWANGER INDUSTRIAL
CONTACT: LARRY JOHNSON PHONE: (312)693-7770

ASKING PRICE: $ 1100000.00 LEASE: $ N/A
TAX RATE: N/A REAL ESTATE TAXES: $ 42488.60
COMMENTS: MANUFACTURE OF ELECTRIC MOTORS - MARATHON ELECTRIC
ALL INFORMATION DEEMED RELIABLE BUT NO WARRANTY FOR ITS ACCURACY